

# Philadelphia Area Number Theory Seminar

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[p-adic sigma-function and some modular forms congruences](#)

**Abstract:** We present some congruences for modular forms implied by the existence of the p-adic sigma-function. While this sigma-function exists for ordinary primes only, we present numerical evidence towards the existence of an analog for supersingular primes. We also discuss some interpretations of these congruences.

Wednesday, May 29, 2019  
2:40 – 3:50 PM

Bryn Mawr College  
Department of Mathematics  
Park Science Center **338**

Tea and refreshments at 2:20PM in Park 339